



CONSOLIDATED
INFORMATION TECHNOLOGY
SERVICES

CONSOLIDATED INFORMATION TECHNOLOGY SERVICES (CONITS)

REQUIREMENTS DOCUMENT (RD)
FOR

NEW BUSINESS REGISTRY WEB SITE

PREPARED FOR:

INNOVATION INSTITUTE

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LANGLEY RESEARCH CENTER
HAMPTON, VA 23681-0001

GSA CONTRACT GS-00T-99-ALD-0209
NASA TASK ORDER L-70750D

JUNE 2005



**REQUIREMENTS DOCUMENT (RD) FOR THE
NEW BUSINESS REGISTRY WEB SITE**

THE NEW BUSINESS REGISTRY WEB SITE APPLICATION SHALL BE DEVELOPED AND AS DESCRIBED IN THIS DOCUMENT. ANY DEVIATIONS FROM ITS CONTENTS MAY RESULT IN INCREASED DEVELOPMENT COSTS, ELONGATED SCHEDULE OR BOTH.

Submitted by:

Approved by:

1.0 Background

The NBR web site currently is maintained in a subdirectory under the Earth and Space Science Program Office (ESSPO) Website. ConITS has worked with NBR to create their own virtual server on the LaRC Central Servers. ConITS has also developed enhancements to the NBR site including:

- a database to store proposals
- a proposals entry form that loads the database
- a proposals search with customizable results
- restricted admin pages to manage admin users and update individual proposals

These enhancements are still in a development environment.

2.0 Scope

This RD establishes the requirements to be satisfied by ConITS in adding new summary reports and graphs to their NBR development site and also a site redesign based on the NASA Portal (<http://nasa.gov>).

3.0 Deliverables

In addition to the enhancements called out in section 1.0 Background, ConITS will produce:

- Revise NBR contents to consistent with the NASA Portal.
- Update NBR database with latest NBR content provided by user.
- Develop reports according to format provided by user.

ConITS will setup the new site on the internal LaRC Central Server (webser02) where the NBR virtual server has been created.

* The exact details of the deliverable reports are not final, but will resemble the reports attached to this RD. ConITS will work with the customer and be reasonably flexible to accommodate minor adjustments during development.

4.0 Requirements

- Virtual web server with Cold Fusion support.
- Web site templates for a home page and 3 sub pages: NBR Entry, NBR Database, NBR Reports. All pages should have tabs across the top for the sections and the home page will also contain a banner graphic and the Innovation Institute “egg” graphic.
- The reports section will contain: a summary report, forecasts and graphical data.
- Load the most recent proposal data from a spreadsheet into the database prior to production release.

5.0 Security

The security requirements for the LMS application web site are:

- Allow only authorized users to access the administrative module of the application.
- Each user with access to the administrative system shall have a unique user id and password.
- Password generation and edit shall follow NPG 2810.01, Security of Information Technology, Appendix A, and Section 6.3, Passwords.

6.0 Platform

The platform requirements for the LMS web site are:

- The LMS web site will be hosted on the internal LaRC Central Server utilizing current versions of Cold Fusion and Oracle software.
- The web site will be able to run in a current version of Safari, Netscape or Microsoft Internet Explorer browsers on PC and MAC platforms.

7.0 Interfaces

No interfaces have been identified.

8.0 Government Supplied Items

The government will provide the format of the summary report as well as the calculations used for field values. The government will also provide the graphic to be used on the new NBR home page. The government will also provide an updated spreadsheet of proposal data to be loaded into the database by ConITS prior to production release.

9.0 Project Delivery

At the completion of this project ConITS shall turn over the deliverables to the Innovation Institute.

10.0 Product Maintenance

Following production implementation of the web application, the NBR web site will be maintained under Task Assignment 107.

11.0 Training

No training has been identified.

12.0 Forms

Customer will determine if the application is automating an existing LaRC form. Customer must notify the Form owner, and ask that they notify the Forms Manager to complete a Form Request, NASA Langley Form 151.

Example Reports:

NASA LaRC NBR Summary Report

Reporting Period:

Dec 2003 to May 2005

* based on selection dates

Parameter	Win	Loss	% Win	Pending	Cancel	Total Data
Proposal Summary						
Submitted Proposals	59	124	32%	113	42	338
Proposed Cost (\$M)	\$114.1	\$264.1		\$96.1	\$34.1	327
Proposed Workforce						
CS Workforce (FTE)	200	418		179	0	232
Contractor Workforce (WYE)	33	55		55	0	76
NASA LaRC Orgs						
Aeronautics - ARD	0	0		0	0	0
Exploration - ESSOTD	2	1	67%	8	0	11
Science - SD	28	36	44%	55	5	124
Systems Analysis - SACD	5	8	38%	0	0	13
Flight Research - FRSD	0	2	0%	1	0	3
Systems Engineering - SED	10	21	32%	19	18	68
Research and Tech. - RTD	13	54	19%	29	18	114
Other	1	1	50%	1	1	4
Leadership Type						
Principal Investigator (PI)	35	51	41%	81	25	192
Co-Investigator (Co-I)	24	73	25%	29	17	143
Funder / Sponsor						
Aeronautics - ARMD	2	0	100%	0	41	43
Exploration - ESMD	27	78	26%	19	0	124
Science - SMD	29	44	40%	72	1	146
Other Govt. Agency (OGA)	1	2	33%	19	0	22

Winning Proposals	Avg
Average Duration (years)	2.3
Average Cost (per year)	\$800 K
Average CS FTE (per year)	1.9
Average WYE (per year)	0.3

Yearly Forecast (Apr 04 thru May 05)	
Average Submissions (per year)	279
Average Wins (per year)	90
Average Total Funds (per year)	\$72 M
Average CS FTE (per year)	171
Average WYE (per year)	27

* To enter array equations, start with CTRL-SHIFT-ENTER

NASA Partners						
GSFC						
JPL						
JSC						
MSFC						
KSC						
ARC						
External Partners (Top 5)						
Name 1						
Name 2						
Name 3						
Name 4						
Name 5						
Initiators (Top 5 submissions)						
Name 1						
Name 2						
Name 3						
Name 4						
Name 5						

NASA LaRC NBR Reports

Graphical Reports of NBR data

279	YEAR	54	121	104		Cumm	Cumm		Cumm	Awarded		Cumm	\$M Cumm
Month1	Month2	Win	Loss	Pending	Month1	Win	Loss	Month1	Pending	Money	Month1	Money	Money
10/1/2003	11/2/2003	0	0	0	10/1/2003	0	0	10/1/2003	0	0	10/1/2003	0	0
11/1/2003	12/2/2003	2	0	0	11/1/2003	2	0	11/1/2003	0	1757	11/1/2003	1757	1.8
12/1/2003	1/2/2004	0	0	0	12/1/2003	2	0	12/1/2003	0	0	12/1/2003	1757	1.8
1/1/2004	2/2/2004	0	0	0	1/1/2004	2	0	1/1/2004	0	0	1/1/2004	1757	1.8
2/1/2004	3/2/2004	1	0	0	2/1/2004	3	0	2/1/2004	0	300	2/1/2004	2057	2.1
3/1/2004	4/2/2004	0	1	8	3/1/2004	3	1	3/1/2004	8	0	3/1/2004	2057	2.1
4/1/2004	5/2/2004	0	0	1	4/1/2004	3	1	4/1/2004	9	0	4/1/2004	2057	2.1
5/1/2004	6/2/2004	0	2	0	5/1/2004	3	3	5/1/2004	9	0	5/1/2004	2057	2.1
6/1/2004	7/2/2004	0	0	5	6/1/2004	3	3	6/1/2004	14	0	6/1/2004	2057	2.1
7/1/2004	8/2/2004	0	9	4	7/1/2004	3	12	7/1/2004	18	0	7/1/2004	2057	2.1
8/1/2004	9/2/2004	9	0	19	8/1/2004	12	12	8/1/2004	37	2482	8/1/2004	4539	4.5
9/1/2004	10/2/2004	0	0	21	9/1/2004	12	12	9/1/2004	58	0	9/1/2004	4539	4.5
10/1/2004	11/2/2004	0	0	0	10/1/2004	12	12	10/1/2004	58	0	10/1/2004	4539	4.5
11/1/2004	12/2/2004	29	80	17	11/1/2004	41	92	11/1/2004	75	89982	11/1/2004	94521	94.5
12/1/2004	1/2/2005	1	1	0	12/1/2004	42	93	12/1/2004	75	316	12/1/2004	94837	94.8
1/1/2005	2/2/2005	3	3	9	1/1/2005	45	96	1/1/2005	84	2370	1/1/2005	97206	97.2
2/1/2005	3/2/2005	0	0	2	2/1/2005	45	96	2/1/2005	86	0	2/1/2005	97206	97.2
3/1/2005	4/2/2005	3	20	0	3/1/2005	48	116	3/1/2005	86	1208	3/1/2005	98414	98.4
4/1/2005	5/2/2005	0	2	24	4/1/2005	48	118	4/1/2005	110	0	4/1/2005	98414	98.4
5/1/2005	6/2/2005	9	6	3	5/1/2005	57	124	5/1/2005	113	15542	5/1/2005	113956	114.0

